CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/AP/WBM-III/AIV/2016-17 10.05.2016

Aggregate Impact Value

IS: 2386 Part IV

Customer	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	**Mr. A. Puttaraju,** #B, 48/5, Pipeline, B Cross, Bahubali Nagara, Jalahalli Village, Bangalore - 13.
Name of the Work	Improvements to road and drains at Halumuniyappa Layout Cross road, Kammagondanahalli in Ward No.12 Shettyhalli Sub Division, BBMP, Bangalore.
Reference	AEE/SSD/PR/QC/41/2016-17 Dated: 05.04.2016
Source / Location	WBM Mix Plant, Bangalore
Type of Mix	Water Bound Macadam
Date of Testing	10.05.2016

Sl No.	Details	Trial No. 1	Trial No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	379	382	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	78	79	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	301	303	
4	Aggregate Impact value = percent fines	20.58	20.68	
	100* (W_2/W_1)%			20.63

Comments:

→ Maximum allowable Aggregate Impact value for Water Bound Macadam is 30%

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples received in the laboratory

→ Any Query regarding the report must be reported within 30 days from the date of testing

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DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Customer	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	**Mr. A. Puttaraju,** #B, 48/5, Pipeline, B Cross, Bahubali Nagara, Jalahalli Village, Bangalore - 13.
Name of Work	Improvements to road and drains at Halumuniyappa Layout Cross road, Kammagondanahalli in Ward No.12 Shettyhalli Sub Division, BBMP, Bangalore.
Reference	AEE/SSD/PR/QC/41/2016-17 Dated: 05.04.2016
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Water Bound Macadam (Grade-III Metal)
Date of Testing	10.05.2016

Result : Flakiness Index = **11.98%**

Elongation Index = **13.90%**

Result : Combined Flakiness & Elongation index 25.88%

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected by the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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